

Environmental Science

Year and Campus:	2014																																							
Coordinator:	Professor Mick Keough Department of Zoology																																							
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Overview:	An Environmental Science major will provide the springboard for students in entering careers or research in the following areas: environmental consulting, natural resource management, environmental and chemistry. Graduates will be prepared for these pathways by developing skills in risk assessment and environmental monitoring, which are crucial to being prepared to make contributions in laboratories, or in consulting roles and in environmental management. This major will integrate knowledge from a range of disciplines from Biology through Earth Science to Chemistry, by enabling students to complete a sequence of specialist subjects in each, as well as integrated subjects in which the students develop an understanding of the application of scientific principles to solving current environmental problems. Students will gain experience preparing them for the workplace by participating in group based reviews of environmental management plans and by conducting multidisciplinary practical assessments of environmental issues.																																							
Learning Outcomes:	The objective of the environmental science major is to contribute to the academic preparation of graduates who embody the University of Melbourne graduate attributes, as well as additional attributes more specific to the Bachelor of Science.																																							
Structure & Available Subjects:	Completion of 50 points of study at Level 3.																																							
Subject Options:	<p>Both of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>EVSC30003 Environmental Risk Assessment</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>EVSC30002 Problem Solving in Environmental Science</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus two of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BOTA30004 Vegetation Management and Conservation</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>CHEM30012 Analytical & Environmental Chemistry</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ECOL30005 Applied Ecology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ECOL30007 Marine Ecosystems: Ecology & Management</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ERTH30001 Hydrogeology/Environmental Geochemistry</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>EVSC30006 Ecology of Urban Landscapes</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOG30022 River Ecology & Ecosystem Management</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOM30009 Imaging the Environment</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MAST30025 Linear Statistical Models</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	EVSC30003 Environmental Risk Assessment	Semester 1	12.50	EVSC30002 Problem Solving in Environmental Science	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	BOTA30004 Vegetation Management and Conservation	Semester 2	12.50	CHEM30012 Analytical & Environmental Chemistry	Semester 2	12.50	ECOL30005 Applied Ecology	Semester 2	12.50	ECOL30007 Marine Ecosystems: Ecology & Management	Semester 1	12.50	ERTH30001 Hydrogeology/Environmental Geochemistry	Semester 1	12.50	EVSC30006 Ecology of Urban Landscapes	Semester 1	12.50	GEOG30022 River Ecology & Ecosystem Management	Semester 1	12.50	GEOM30009 Imaging the Environment	Semester 1	12.50	MAST30025 Linear Statistical Models	Semester 1	12.50
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Notes:	This major is available to new generation Bachelor of Science students (B-SCI). It is also available to Bachelor of Science students (except BA/BSc and BAsC students) who commenced prior to 2008. The published structure of this major includes subjects available in the current																																							

	<p>year. Pre-2008 Bachelor of Science students who completed one or more Level 3 science subjects towards this major prior to 2010 should contact the Science Student Centre for advice on appropriate subjects to complete this major.</p> <p>Pre-2008 Bachelor of Science students may only complete this major in conjunction with another science major that cannot be biotechnology or history and philosophy of science. To be awarded two science majors (i.e. the environmental science major and a second science major), pre-2008 Bachelor of Science students must complete a minimum of 87.5 points of science study at Level 3. Up to the equivalent of one 12.5 point science subject at Level 3 can be counted towards both majors where applicable.</p>
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Commerce and Bachelor of Science Bachelor of Science